

ABSTRACT OF THE DISCLOSURE

A light source of the invention includes: a cylinder having disposed therein a phosphor material that emits light by ultraviolet rays which are radiated
5 due to discharge; a pair of internal electrodes disposed inside the cylinder; a pair of external electrodes a and b disposed outside the cylinder; and a lamp controller that switches between an external electrode lighting mode resulting from the application of a voltage to the
10 pair of external electrodes and an internal electrode lighting mode resulting from the application of a voltage to the pair of internal electrodes, wherein the lamp controller controls, in the external electrode lighting mode, an electric potential V_{IN} with respect to
15 the pair of internal electrodes and an electric potential V_H of the electrode of the higher electric potential of the pair of external electrodes to a condition where $V_{IN} > V_H$ or $V_{IN} \doteq V_H$.